

ABSTRACT OF THE DISCLOSURE

A bus bridge circuit adapted for coupling to a bus comprising n address lines, where n is an integer and $n \geq 2$. The bus bridge circuit includes audio logic configured to access digital audio data and to produce an $n-1$ bit address when accessing the digital audio data, and an addressable register including a bit position for storing an additional address bit. When the audio logic is accessing digital audio data, the bus bridge circuit is configured to: (i) concatenate the additional address bit with the $n-1$ bit address to produce an n -bit address, wherein the additional address bit forms a most significant bit of the n -bit address, and (ii) drive the n -bit address upon the n address lines of the bus. A computer system is described including the bus, wherein the bus bridge circuit is coupled to the bus. A method for initializing a chip set of a computer system is also described, wherein the chip set comprises the bus bridge circuit coupled to the bus. A carrier medium embodying program instructions for carrying out the above method is also described. The carrier medium may be, for example, a computer-readable storage medium (e.g., a floppy disk, or a compact disk read only memory or CD-ROM disk).

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